

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-775 REV. A  
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-775 REV. 0  
REF. TCCA STC SH08-53  
REF. FAA STC SR02692NY  
REF. EASA STC EASA.I.M.R.S.01529

The D3609-1 doubler that is included in D412-775-015 kits at CHG 002 and later has been upgraded to include a bevelled edge on the top side that better protects the honeycomb core below the fuel cap from damage during refueling. The IIN/ICA documents are affected as follows:

## IS:

### **INSTALLATION INSTRUCTIONS IIN-D412-775 REV. A, SECTION 3.3**

3.3.3 Locate D3609-1 Doubler per Figure 5. Transfer drill #28 ( $\phi 0.141"$ ) existing rivet holes from the aircraft to the D3609-1 Doubler as shown in Figure 5. Pitch drill #28 ( $\phi 0.141"$ ) rivet holes 10 places from the D3609-1 Doubler to the aircraft skin as shown in Figure 1 of this DSI 9555.  
**NOTE:** It is acceptable to trim down the D3609-1 Doubler to fit and remove bevel per customer preference.

### **INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-775 REV. 0, SECTION 53.6**

53.6.3 Locate D3609-1 Doubler per Figure 53-4. If the D3609-1 doubler is being replaced, transfer drill #28 ( $\phi 0.141"$ ) rivet holes from the aircraft to the D3609-1 Doubler as shown in Figure 53-4.

**NOTE:** It is acceptable to trim down the D3609-1 Doubler to fit and remove bevel per customer preference.

---

## WAS:

### **INSTALLATION INSTRUCTIONS IIN-D412-775 REV. A, SECTION 3.3**

3.3.3 Locate D3609-1 Doubler per Figure 5. Transfer drill #28 ( $\phi 0.141"$ ) existing rivet holes from the aircraft to the D3609-1 Doubler as shown in Figure 5. Transfer drill #28 ( $\phi 0.141"$ ) rivet holes using pilot holes in the D3609-1 Doubler to the aircraft skin as shown in Figure 5.  
**NOTE:** It is acceptable to trim down the D3609-1 Doubler to fit.

### **INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-775 REV. 0, SECTION 53.6**

53.6.3 Locate D3609-1 Doubler per Figure 53-4. If the D3609-1 doubler is being replaced, transfer drill #28 ( $\phi 0.141"$ ) existing rivet holes from the aircraft to the D3609-1 Doubler as shown in Figure 53-4.

**NOTE:** It is acceptable to trim down the D3609-1 Doubler to fit.

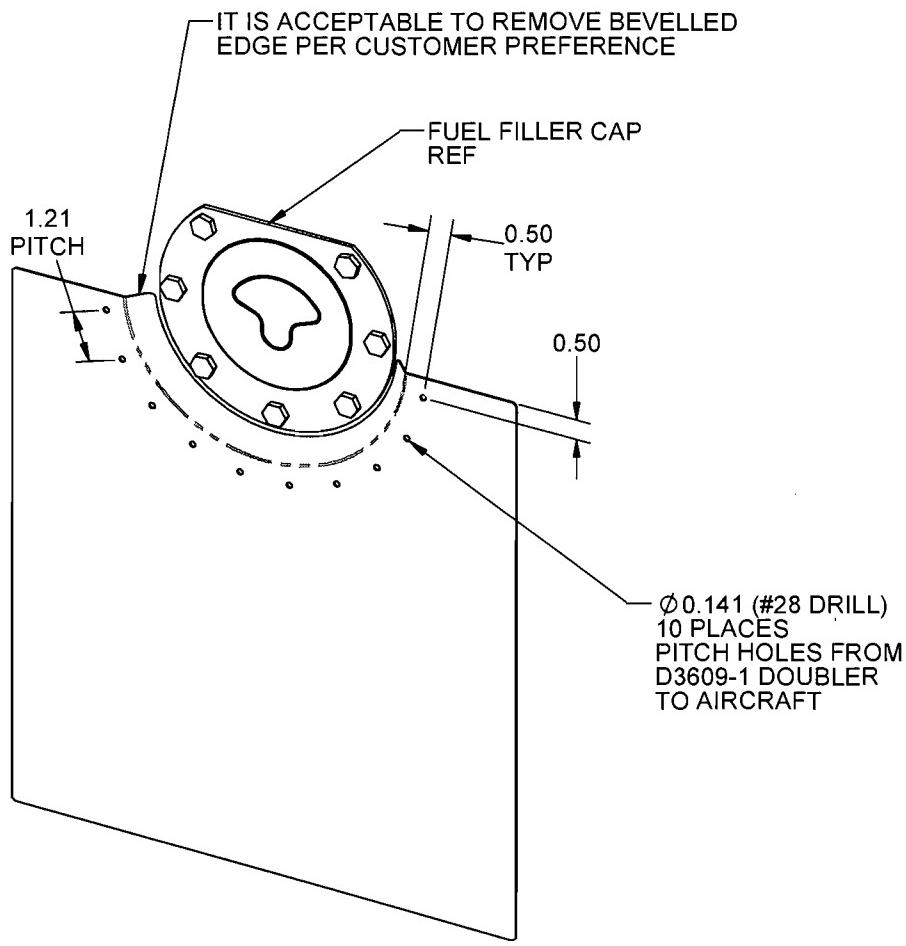
---

## REVISED WEIGHT AND BALANCE

INSTALLATION	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D412-775-015	1.44 lb	+41.5 in	+59.8 in lb	172 in	247.7 in lb
Fuel Panel Protective Trim Kit	0.65 kg	+1.05 m	+0.68 m kg	4.37 m	2.84 m kg

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
APPROVED	
BY:	
D. SHEPHERD (DE # 02)	
DATE:	11.04.29
CERT. NO.:	SH08-53
ISSUE NO.:	1

A	NEW ISSUE		RF	11.04.29
REV.	DESCRIPTION		BY	DATE
DESIGN	RF	DART AEROSPACE LTD		
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA		
CHECKED		DRAWING NO.	REV. A	
MFG. APPR.	N/A	DSI 9555	SHEET 1 OF 2	
APPROVED		TITLE	SCALE	
DE APPR.		FUEL PROTECTIVE TRIM CHG	NTS	
DATE	11.04.29		COPYRIGHT © 2011 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.				



**FIGURE 1. D3609-1 DOUBLER INSTALLATION**

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
APPROVED BY: D. SHEPHERD (DE # 02)	
DATE: 11.04.29	
CERT. NO.: SH08-53	
ISSUE NO.: 1	

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	RF	DRAWING NO. DSI 9555
CHECKED	<del>RF</del>	REV. A SHEET 2 OF 2
MFG. APPR.	N/A	TITLE SCALE
APPROVED	<del>RF</del>	FUEL PROTECTIVE TRIM CHG NTS
DE APPR.	<del>RF</del>	COPYRIGHT © 2011 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.
DATE	11.04.29	